

PROPRIETARY INFORMATION

INTERNAL USE ONLY

PATENT NOTEBOOK

NO. No 1943

NOTEBOOK ISSUED TO	DATE ISSUED	DATE RETURNED
Harry E. Ringermacher	3-17-97	

THIS NOTEBOOK IS THE PROPERTY OF GENERAL ELECTRIC COMPANY AND MAY NOT BE REMOVED FROM THE PREMISES WITHOUT SPECIAL PERMISSION.

***GE Research and Development Center***

PROPRIETARY INFORMATION



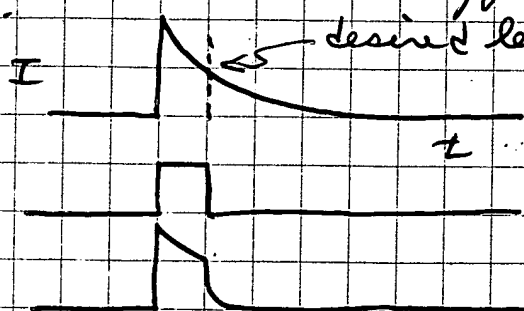
This corrects the synthetic ideal t -response resp. to make it look like the initial t part of the real plate T-t curves. TD is chosen for a lamp system and α is adjusted.

- ?/A
- (1) is TD power-dependent?
 - (2) is TD a combination of lamp flash decay + afterglow decay?

H. Rungwatsak 11/13/00

7/18/01 Exponential Flash Tail Elimination

As mentioned above, the flash lamp itself has an exp. tail that powers the surface - a part, thus distorting the image data in early frames. This can be "quenched" by shorting or opening the circuit from the lamps supply. An SCR or power transistor can be cycled to cut off the tail at a desired time.



normal flash decay.
gate pulse to transistor or diode.
Optical response.

7/20/01 Contacted Richard Zhang for advice. He suggested IGBT (~~Insulated~~ Insulated gate bipolar transistor

HR 7/18/01 - 7/20/01